

SKIN TANNING AND LIGHT THERAPY INCORPORATING
LIGHT EMITTING DIODES

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ABSTRACT OF THE DISCLOSURE

The invention relates to a skin tanning chamber, the improvement comprising at least one light emitting diode emitting a UVA light, such as a UVA LED that emits essentially only UVA. Additionally, multiple LEDs of varying types with various
10 characteristic wavelengths are controlled independently to produce an arbitrary light pattern in an arbitrary sequence over time. The chamber can be rigid or flexible. It can be a bed, booth or incorporated into a flexible form, such as a garment or cloth. In one embodiment, the chamber further comprises at least one LED emitting a UVC light, whereby the UVC light sanitizes the chamber surface. Preferably the LED emitting the
15 UVA light is under independent control from the LED emitting UVC light.